# Powerful Remote Surveillance

## Distance makes no difference

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*To Our Valuable Customers,*

Thank you for choosing this product. You'll be amazed by those useful functions this product provides, especially for the powerful mobile surveillance support.

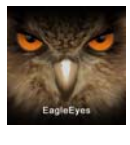
Remote access via different platforms is widely supported:

a) **For mobile platforms**, iPhone®, BlackBerry®, Nokia® Symbian®, Windows® Mobile & Android™ are available with our self-developed and free program, ***EagleEyes***, installed.

b) **For web browsers,** Internet Explorer®, Mozilla® FireFox®, Safari® and Google Chrome™ are supported.

c) **Apple's media player**, QuickTime®, is also one tool you can use.

*EagleEyes*




To monitor and control multiple network devices, you can also install our free CMS software provided within the CD manual.

To know more about our mobile phone program, "EagleEyes", and where to download, please visit:
http://www.eagleeyescctv.com

To know more about feature applications, please visit:
www.eagleeyescctv.com/video

To seek for technical support, please contact:
support@eagleeyescctv.com

To give us your precious suggestions and comments, please contact:
marketing@eagleeyescctv.com

# H.264 Network DVR

# Quick Start

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## GUI Display with USB Mouse Control

Please read instructions thoroughly before operation and retain it for future reference.

For the actual display & operation, please refer to your DVR in hand.

# 1. GUI DISPLAY WITH USB MOUSE CONTROL

## 1.1 Connect USB Mouse

Connect your USB mouse to one of the USB ports on the DVR front panel, and check if there's a mouse icon ( ) on the screen, indicating the USB mouse is detected properly.

Move your mouse to enter the DVR password with the password keypad. The default administrator password is **0000**. The status will be changed from (key lock) to (administrator), and the quick menu bar appears on the left side of the screen.

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**Note:** There are two user levels for DVR access which can be set in the main menu "SYSTEM" → "TOOLS". For details, please refer to your user manual.

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**Password Input**

**Quick Menu: Close**

## 1.2 Quick Menu Bar

Move to the arrow mark to extend the quick menu bar and show the five functions as follows:

**Quick Menu: Open**

| | |
|---|---|
| Click to show the channel switch panel and select the channel you want. For details, please refer to "3.2 Quick Menu Bar" in the user manual. | |
| Click to display the playback control panel, and click to play the latest recorded video clip, or click to enter the search list. | |
| Switch to the channel you want first, and click to enter the zoom-in mode. In this mode, click and drag the red frame on the bottom left of the screen to move to the place you want to see. To exit this mode, click ☒. | |
| Click to select the audio channel you want:<br>In the live mode, only the live audio channels can be selected.<br>In the playback mode, live and playback audio channels can be selected. | |
| Click to enter the PTZ mode and show the PTZ camera control panel. | |

## 1.3 Main Menu

Right-click anywhere on the screen to show the main menu as follows, and right-click again to exit.

**Main Menu**

| | |
|---|---|
| QUICK START | Click to set the status display, image settings, and date & time. |
| DATE SETUP | Click to set the date display and daylight saving. |
| SYSTEM | Click to set the system configurations. |
| EVENT INFORMATION | Click to enter the event search menu. |
| ADVANCED CONFIG | Click to set CAMERA, DETECTION, ALERT, NETWORK, SNTP, DISPLAY, RECORD and REMOTE. |
| SCHEDULE SETTING | Click to set record timer and detection timer. |

## Main Menu Structure

| | | | |
|---|---|---|---|
| | QUICK START | GENERAL | CHANNEL TITLE |
| | | | EVENT STATUS |
| | | | DATE DISPLAY |
| | | | RECORD CONFIGURATION |
| | | TIME SETUP | DATE |
| | | | TIME |
| | DATE SETUP | DATE INFO | DISPLAY DATE OF MODE |
| | | | FORMAT |
| | | DAYLIGHT | DAYLIGHT SAVING |
| | SYSTEM | TOOLS | LANGUAGE |
| | | | ADMIN PASSWORD |
| | | | OPERATOR PASSWORD |
| | | | UPGRADE |
| | | | BACKUP CONFIG |
| | | | RESTORE CONFIG |
| | | SYSTEM INFO | BAUD RATE |
| | | | HOST ID |
| | | | R.E.T.R. *(For Selected Models Only)* |
| | | | AUTO KEY LOCK |
| | | | CLEAR HDD |
| | | | RESET DEFAULT |
| | | | REMOTE CONTROL ID |
| | | | SERIAL TYPE |
| | | | VIDEO FORMAT |
| | | | VERSION |
| | | USB BACKUP | |
| | | DVD BACKUP *(For Selected Models Only)* | |
| | EVENT INFORMATION | QUICK SEARCH | |
| | | EVENT SEARCH | |
| | | HDD INFO | |
| | | EVENT LOG | |
| | ADVANCED CONFIG | CAMERA | BRIGHTNESS |
| | | | CONTRAST |
| | | | SATURATION |
| | | | HUE |
| | | | COV. |
| | | | REC |
| | | | CHANNEL TITLE |
| | | DETECTION | LS |
| | | | SS |
| | | | TS |
| | | | DETECT |
| | | | ALARM |
| | | | AREA |
| | | ALERT | EXT. ALERT |
| | | | INT. BUZZER |
| | | | KEY BUZZER |
| | | | VLOSS BUZZER |
| | | | MOTION BUZZER |
| | | | ALARM BUZZER |
| | | | HDD BUZZER |
| | | | ALARM DURATION (SEC) |
| | | | HDD NEARLY FULL (GB) |
| | | NETWORK | NETWORK |
| | | | SNTP |
| | | | FTP |
| | | | E-MAIL |
| | ADVANCED CONFIG | DISPLAY | DE-INTERLACE *(For Selected Models Only)* |
| | | | FULL SCREEN DURATION |
| | | | QUAD SCREEN DURATION *(For Selected Models Only)* |
| | | | DWELL SCREEN DURATION *(For Selected Models Only)* |
| | | | DISPLAY COVERT |
| | | | HDD DISPLAY MODE |
| | | | VGA OUTPUT |
| | | | ALPHA BLENDING |
| | | | RECORD CONFIGURATION |
| | | RECORD | MANUAL RECORD ENABLE |
| | | | EVENT RECORD ENABLE |
| | | | TIMER RECORD ENABLE |
| | | | EVENT RECORD IPS |
| | | | TIMER RECORD IPS |
| | | | PRE-ALARM RECORD *(For Selected Models Only)* |
| | | | OVERWRITE |
| | | | EVENT RECORD ALL CHANNEL |
| | | | KEEP DATA LIMIT (DAYS) |
| | | REMOTE *(For Selected Models Only)* | |
| | SCHEDULE SETTING | RECORD | |
| | | DETECTION | |
| | | ALARM | |

# 2. FRONT AND REAR PANELS

## 2.1 Front Panel

1) LED Indicators

HDD HDD is reading or recording.

An alarm is triggered.

Timer recording is on.

Under playback status.

DVR is powered on.

2) ⏸ (▲) / ■ (▼) / ⏪ (◄) / ⏩ (►)

Press ▲ / ▼ / ◄ / ► to move up / down / left / right.

In the playback mode:

Press "⏸" to pause playback.

Press "■" to stop playback.

Press "⏩" to fast forward.

Press "⏪" to fast rewind.

3) MENU

Press to enter the main menu.

4) ENTER

Press to confirm the setting.

5) LIST (Event List Search)

Press to quickly search the recorded files by event lists: RECORD / MOTION / ALARM / TIME, or select FULL to show all the event logs.

To quickly search the time you want, select "QUICK SEARCH". Set the time range you want, and select "Start" to play the recorded video clip during the specified time.

6) PLAY

Press to playback the latest recorded data.

7) SLOW

In the playback mode, press to show slow playback.

8) ZOOM

Press to enlarge the picture of selected channel in the FRAME or FIELD recording mode.

9) SEQ

Press to display each channel in full screen one by one starting from CH1. When the last channel is displayed, it will repeat from CH1 again. To exit this mode, press "SEQ" again.

10)

Press to show the 4 channel display mode.

11) CH1 ~ 16 / 1 ~ 8 / 1 ~ 4

Press the channel number buttons to select the channel to display.

12) SEARCH *(For Selected Models Only)*

Press to enter the time search menu. Set the time range you want, and select "START" to play the recorded video clip during the specified time.

13) AUDIO (SLOW + ZOOM)

Press "SLOW" + "ZOOM" to select live or playback audio from audio channel 1~4.

| | |
|---|---|
| Live audio from audio channel 1~4 (indicated in white) | Playback audio from audio channel 1~4 (indicated in yellow) |
| Audio channel unselected | |

14) P.T.Z. (⊞ + SEQ)

Press "⊞" + "SEQ" at the same time to enter / exit the PTZ control mode.

15) USB port

There are two USB ports on the front panel, one for connecting your USB mouse for mouse control, and the other one for connecting your USB flash drive for video backup.

**Note:** It's not allowed to have two USB mice or two USB flash drives connected on the front panel.

For the compatible USB flash drive list, please refer to "APPENDIX 3" in the user manual.

16) ⏏ *(For Selected Models Only)*

Press "⏏" to open / close the DVD Writer.

## 2.2 Rear Panel

1) 75Ω / HI-IMPEDANCE *(For Selected Models Only)*

When using Loop function, please switch to HI-IMPEDANCE. When you don't use Loop function, please switch to 75Ω.

2) VIDEO IN (1 ~ 16 / 1 ~ 8 / 1 ~ 4): Connect to the video connector of a camera.
VIDEO LOOP (1 ~ 16 / 1 ~ 8 / 1 ~ 4): Video output connector. *(For Selected Models Only)*

**Note:** The DVR will automatically detect the video system of the camera, please make sure that the cameras are properly connected to the DVR and power-supplied before the DVR is turned on.

3) AUDIO IN (1~4)

Connect to the audio connector of a camera if the camera supports audio recording.

**Note:** To make a video backup with audio, make sure the camera which supports the audio function is connected to the video-in channel and audio-in channel. For example, the audio data from audio CH1 will be recorded with the video data from video CH1.

4) AUDIO OUT

Connect to a speaker with 1 mono audio output.

**Note:** To know how many audio outputs your DVR supports, please refer to its specifications.

5) MONITOR

Connect to a CRT monitor for video output.

6) CALL *(For Selected Models Only)*

Connect to a monitor specific for sequence display.

7) VGA

Connect to a LCD monitor directly.

8) IR *(For Selected Models Only)*

Connect the optional IR receiver extension cable for remote control.

9) EXTERNAL I/O

This port is used to connect external devices (such as speed dome cameras or external alarm, etc).
For detailed I/O port PIN configuration, please refer to "APPENDIX 6" in your user manual.

10) LAN

Connect to Internet by LAN cable.

11) DC 19V

Connect to the supplied adapter.

12) ⏽ Power Switch

Switch to "**I**" to turn on the power, and "O" to turn off the power.

# 3. BASIC OPERATION

## 3.1 Live Page

| Icon | Function | Icon | Function | Icon | Function |
|---|---|---|---|---|---|
| | Live audio channel (1~4) | | Playback audio channel (1~4) | | Audio channel off |
| | Digital zoom on | | Digital zoom off | | Timer recording |
| | Network disconnected | | Internet connected | | LAN connected |
| | USB mouse connected | | USB flash drive / device connected | | No USB device connected |
| | Key lock | | PTZ mode on | | HDD overwrite |
| | Administrator | | Operator | | Sequence |
| | Motion | | Recording | | Alarm |

## 3.2 Record Icon

1) Manual Recording

By defaults, manual recording is on ( ) when the DVR is powered on and a HDD is installed.

2) Event Recording

When the motion detection or alarm is on, the motion icon ( ) or alarm icon ( ) shows on the screen for any motion or alarm event.

3) Timer Recording

When timer recording is on, you will see " " on the screen.

4) HDD Overwritten

Be defaults, the HDD overwritten function is set to ON, and " " will be shown on the screen.

## 3.3 Playback

Click " " on the quick menu bar to display the playback control panel, and click to play the latest recorded video clip, or click to enter the search list.

**Note:** There must be at least 8192 images of recorded data for playback to work properly. If not, the device will stop playback. For example, if the IPS is set to 30, the recording time should be at least 273 seconds (8192 images / 30 IPS) for the playback to work properly.

**Note:** During playback, the image size of the recording (FRAME, FIELD or CIF) will be shown on the screen.

### Playback Control

| | | |
|---|---|---|
| | Fast Forward | Increase the speed for fast forward. Click once to get 4X speed forward and click twice to get 8X speed, etc., and the maximum speed is 32X. |
| | Fast Rewind | Increase the speed for fast rewind. Click once to get 4X speed rewind and click twice to get 8X speed, etc., and the maximum speed is 32X. |
| / | Play / Pause | Click to play the latest recorded video clip immediately, and click again to pause. In the pause mode, click once to get one frame forward, and click to get one frame rewind. |
| | Stop | Click to stop the video playback. |
| | Slow Playback | Click once to get 1/4X speed playback, and click twice to get 1/8X speed playback. |
| / | Previous / Next Hour | Click to jump to the next / previous time interval in an hour, for example, 11:00 ~ 12:00 or 14:00 ~ 15:00, and start playing the earliest event video clip recorded during this whole hour. |

### Event Search

Click to quickly search the recorded files by event lists: RECORD / MOTION / ALARM / TIME, or select FULL to show all the event logs.

To quickly search the time you want, select “QUICK SEARCH”. Set the time range you want, and select “Start” to play the recorded video clip during the specified time.

### Audio Playback

In the playback mode, click on the quick menu bar as many times as needed to select live or playback audio from the audio channel 1~4.

Live audio from audio channel 1~4 (indicated in white).

Playback audio from audio channel 1~4 (indicated in yellow).

Audio channel unselected

**Note:** To make a video backup with audio, make sure the camera which supports the audio function is connected to the video-in channel and audio-in channel. For example, the audio data from audio CH1 will be recorded with the video data from video CH1.

## 3.4 User Level Switch

In the key lock mode (), move your USB mouse to display the password input keypad. There are two user levels for accessing the DVR: Administrator () & Operator ().

When the administrator password is entered, will be shown on the status bar of the screen and all operations are allowed. The default administrator password is **0000**.

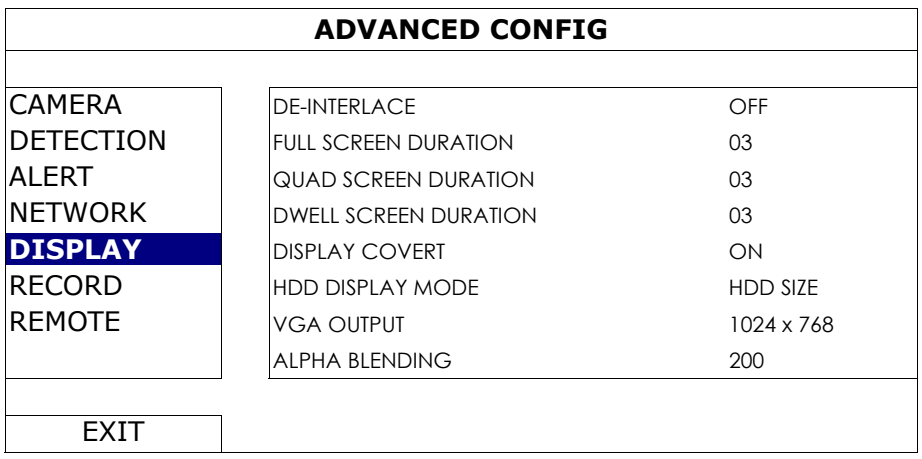
When the operator password is entered, will be shown on the status bar of the screen, and the main menu is **NOT** allowed to access. The operator user level needs to be set in the main menu “SYSTEM” → “TOOLS”.

To switch between these two user levels, click the current user level icon to switch to the key lock mode, and move your mouse to show the password input keypad, and enter the password of the user level you want.

## 3.5 VGA Output Resolution Support

Users are allowed to change the resolution depending on their display monitor.

Right-click to display the main menu, and select “ADVANCED CONFIG” → “DISPLAY”.




Move to “VGA OUTPUT”, and select the VGA resolution you want. There are three options as follows:

- 1024 x 768 (default)
- 1280 x 1024
- 1600 x 1200

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**Note:** To have the best image quality on your LCD monitor, make sure (1) the selected DVR VGA output resolution is supported by your monitor, and (2) the VGA output settings on both the LCD monitor and DVR are consistent.
If the image is not positioned or scaled properly, please go to your monitor’s menu for adjustment. For details, please refer to the user manual of your LCD monitor.

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